

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11821

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01L9/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 382 409 A (BAXTER JAMES A) 17 January 1995 (1995-01-17) column 1, line 1 - column 3, line 35; claims; figures 1-3	1-6
Y	US 3 916 157 A (ROULETTE ROBERT E ET AL) 28 October 1975 (1975-10-28) column 2, line 49 - column 3, line 35	1-6
A	US 5 894 733 A (BRODNER JOHN R) 20 April 1999 (1999-04-20) abstract; figures	1-6
A	US 5 750 075 A (SPIKE FREDERICK W) 12 May 1998 (1998-05-12) the whole document	1-6
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

23 June 2004

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01/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 094 641 A (FRISWELL DAVID R) 13 June 1978 (1978-06-13) the whole document -----	1-6

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Information on patent family members

International Application No

PCT/EP 03/11821

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5382409	A	17-01-1995	US	5536476 A		16-07-1996
			DE	69107298 D1		23-03-1995
			DE	69107298 T2		08-06-1995
			DE	508015 T1		25-11-1993
			EP	0508015 A2		14-10-1992
US 3916157	A	28-10-1975		NONE		
US 5894733	A	20-04-1999		NONE		
US 5750075	A	12-05-1998		NONE		
US 4094641	A	13-06-1978	CA	1117907 A1		09-02-1982
			DE	2807262 A1		31-08-1978
			FR	2382003 A1		22-09-1978
			GB	1581713 A		17-12-1980
			JP	1064339 C		22-09-1981
			JP	54036791 A		17-03-1979
			JP	56005585 B		05-02-1981